

Title (en)
INVERTER DEVICE

Title (de)
UMRICHTERVORRICHTUNG

Title (fr)
DISPOSITIF D'ONDULEUR

Publication
EP 2555410 A4 20180103 (EN)

Application
EP 11765763 A 20110331

Priority
• JP 2010085099 A 20100401
• JP 2011058272 W 20110331

Abstract (en)
[origin: EP2555410A1] An inverter device includes: an inverter circuit which includes an upper-arm-use first switching element (328U to 328W) and a lower-arm-use second switching element (330U to 330W); a control circuit (319) which outputs a first signal which is an ON/OFF command for the first switching element and a second signal which is an ON/OFF command for the second switching element respectively; a first drive circuit (610U to 610W) which performs ON/OFF driving of the first semiconductor switching element based on the ON/OFF command which is the first signal; a second drive circuit (611U to 611W) which performs ON/OFF driving of the second semiconductor switching element based on the ON/OFF command which is the second signal; and a signal switching part (616U to 616W) which directly inputs the first and second signals outputted from the control circuit to the corresponding first and second drive circuits respectively when at least one of the first and second signals is an OFF command, and interrupts inputting of the first signal to the first drive circuit and inputting of the second signal to the second drive circuit and inputs a third signal which is an OFF command to the first and second drive circuits when both the first and second signals are ON commands.

IPC 8 full level
H02M 7/48 (2007.01); **H02M 7/5387** (2007.01); **H05B 6/04** (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP US)
H02M 7/5387 (2013.01 - EP US)

Citation (search report)
• [A] EP 0284021 A2 19880928 - ZAIDAN HOJIN HANDOTAI KENKYU [JP], et al
• [A] US 6137705 A 20001024 - MAEKAWA HIROTOSHI [JP], et al
• [A] US 5515258 A 19960507 - VIERTLER RAINER [DE]
• See references of WO 2011125863A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2555410 A1 20130206; EP 2555410 A4 20180103; EP 2555410 B1 20190522; CN 102835015 A 20121219; CN 102835015 B 20150729; JP 2011217558 A 20111027; JP 5439260 B2 20140312; US 2013051099 A1 20130228; US 8971079 B2 20150303; WO 2011125863 A1 20111013

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